EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	374	549/72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:03
L2	0	l1 and duloxetin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:03
L3	17	duloxetin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:04
L4	333	549/74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:05
L5	1	l4 and duloxetin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:05
L6	217	l4 and thienyl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:05
L7	13	l6 and naphthyloxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 11:05

=>
Uploading C:\Program Files\Stnexp\Queries\10542003d.str

Thiophene & 3 chloropropionic acid
to prep
3 -methylamino-1-(2thienyl)-
1 propanone
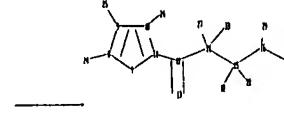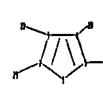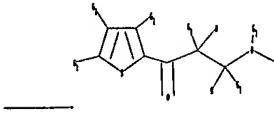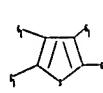

```
chain nodes :
12  13  14  15  16  17  19  20  22  23  24  25  26  27  28  29  32  33
ring nodes :
1   2   3   4   5   7   8   9   10  11
chain bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   11-12   12-13   12-14   14-15   14-27   14-33
15-16  15-28  15-32  16-17  16-29
ring bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11
exact/norm bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   12-13   14-27   15-16   15-28   16-17   16-29

exact bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11   11-12   12-14   14-15   14-33
15-32
isolated ring systems :
containing 1 : 7 :


G1:H,CH3

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom   7:Atom  8:Atom  9:Atom  10:Atom  11:Atom
12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   19:CLASS   20:CLASS
22:CLASS   23:CLASS
24:CLASS   25:CLASS   26:CLASS   27:CLASS   28:CLASS   29:CLASS   32:CLASS   33:CLASS
fragments assigned product role:
containing 7
fragments assigned reactant/reagent role:
containing 1




L36      STRUCTURE UPLOADED

=> d
L36 HAS NO ANSWERS


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```

10542003c

L36   STR
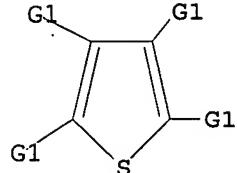
G1 H,Me
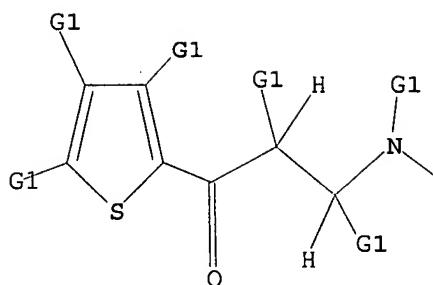
Structure attributes must be viewed using STN Express query preparation.

=> s l36 full
FULL SEARCH INITIATED 12:04:28 FILE 'CASREACT'
SCREENING COMPLETE -   1156 REACTIONS TO VERIFY FROM   228 DOCUMENTS

100.0% DONE   1156 VERIFIED   14 HIT RXNS   3 DOCS
SEARCH TIME: 00.00.01

L37   3 SEA SSS FUL L36 (14 REACTIONS)

=> d ibib abs hitstr tot

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10542003c

=> d ibib abs tot

L37   ANSWER 1 OF 3   CASREACT   COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 144:253785   CASREACT <<LOGINID::20070329>>
TITLE: Thienylsubstituted derivatives of α-
                           aminobutanoic acid. Practical approach to
                           enantiomerically pure γ-hydroxy-α-
                           aminooctanoic and γ-hydroxy-α-
                           aminononanoic acids
AUTHOR(S):   Berkes, Dusan; Gubala, Vladimir; Povazanec, Frantisek
CORPORATE SOURCE: Department of Organic Chemistry, Slovak Technical
                           University, Bratislava, SK-812 37, Slovakia
SOURCE: International Electronic Conferences on Synthetic
                           Organic Chemistry, 5th, 6th, Sept. 1-30, 2001 and 2002
                           [and] 7th, 8th, Nov. 1-30, 2003 and 2004 (2004),
                           1393-1404. Editor(s): Seijas, Julio A. Molecular
                           Diversity Preservation International: Basel, Switz.
                           CODEN: 69GTCO
DOCUMENT TYPE: Conference; (computer optical disk)
LANGUAGE: English
AB   The series of both syn- resp. anti-γ-thienyl-γ-hydroxy-α-
     aminobutanoic acids can be prepared using conjugate addition of chiral
     nonracemic 1-phenylethylamines on the corresponding β-thienoylacrylic
     acids and asym. reduction as the key steps of the synthesis. Raney
     nickel desulfurization in the hydrogen atmospheric represents straightforward
     access to the enantiomerically pure syn- resp. anti-γ-hydroxy-
     α-aminooctanoic resp. nonanoic acids derivs.
REFERENCE COUNT: 25   THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
                           RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37   ANSWER 2 OF 3   CASREACT   COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 141:296283   CASREACT <<LOGINID::20070329>>
TITLE: Stereoselective synthesis and preliminary evaluation
                           of new -3-heteroarylcarbonylalanines as ligands of the
                           NMDA receptor
AUTHOR(S):   Lima, Paulo G.; Caruso, Rodrigo R. B.; Alves, Simone
                           O.; Pessoa, Renata F.; Mendonca-Silva, Dayde L.;
                           Nunes, Ricardo J.; Noel, Francois; Castro, Newton G.;
                           Costa, Paulo R. R.
CORPORATE SOURCE: Laboratorio de Quimica Bioorganica, Nucleo de
                           Pesquisas de Produtos Naturais, Centro de Ciencias da
                           Saude, Bloco J, Universidade Federal do Rio de
                           Janeiro, Rio de Janeiro, 21941-590, Brazil
SOURCE: Bioorganic & Medicinal Chemistry Letters (2004),
                           14(17), 4399-4403
                           CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   New N-heteroarylcarbonylalanines of the D-series were stereoselectively
     prepared by stereoselective conjugate addition of benzylamine to enolates
     derived from D-mannitol. These compds. were active in binding and
     functional assays of the NMDA sub-type of glutamate receptors.
     (2R)-3-(2-Pyridinylcarbonyl)alanine inhibited MK801 binding, protected
     neurons from excitotoxic damage and blocked NMDA-induced currents in
     neurons. (2R)-3-(2-Thienylcarbonyl)alanine pos. modulated the NMDA
     receptor, possibly through the allosteric glycine site. described.

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10542003c

L37 ANSWER 3 OF 3   CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 95:219931   CASREACT <<LOGINID::20070329>>
TITLE: Synthesis of thiophene derivatives
AUTHOR(S):   Zhelyazkov, L.; Natova, L.; Dzhabur, S.
CORPORATE SOURCE: Bulg.
SOURCE: Godishnik na Visshiya Khimikotekhnologicheski
                         Institut, Sofiya (1981), Volume Date 1978, 24(4),
                         67-74
                         CODEN: GVKIAH; ISSN: 0489-6211
DOCUMENT TYPE: Journal
LANGUAGE: Bulgarian
GI

$PhCH_2$ $CHMeCH_2X$ I
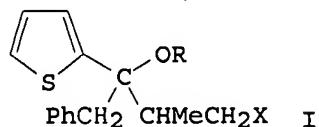
AB   Acylating thiophene with EtCOCl in C6H6 at 0° yielded 80%
      2-propionylthiophene, which was aminomethylated with HCHO and Me2NH,
      pyrrolidine, piperidine or 1-methylpiperazine to give 4 corresponding
      [(aminomethyl)propionyl]thiophenes in 53.3-68.0% yield. Reductive
      benzylation of the latter with PhCH2MgCl gave 73.6-88.9% carbinols I (R =
      H, X = secondary amino), which gave 85.0-93.0% I (R = Ac, same X) with
      AcCl.

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10542003c

chain nodes :
12 13 14 15 16 17 19 20 22 23 24 25 26 27 28 29 32 33 34 35 36
37 38 39
ring nodes :
1   2   3   4   5   7   8   9   10 11
chain bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   11-12   12-13   12-14   14-15   14-27   14-33
15-16 15-28 15-32 16-17 16-29 34-35 35-36 35-39 36-37 37-38
ring bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11
exact/norm bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   12-13   14-27   15-16   15-28   16-17   16-29
35-39
exact bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11   11-12   12-14   14-15   14-33
15-32 34-35 35-36 36-37 37-38
isolated ring systems :
containing 1 : 7 :

G1:H,CH3

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS 20:CLASS
22:CLASS 23:CLASS
24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 32:CLASS 33:CLASS
34:CLASS 35:CLASS
36:CLASS 37:CLASS 38:CLASS 39:CLASS
fragments assigned product role:
containing 7
fragments assigned reactant/reagent role:
containing 1
containing 34

L38   STRUCTURE UPLOADED

=> s l38 full
FULL SEARCH INITIATED 12:07:12 FILE 'CASREACT'
SCREENING COMPLETE -   8 REACTIONS TO VERIFY FROM   4 DOCUMENTS

100.0% DONE   8 VERIFIED   0 HIT RXNS   0 DOCS
SEARCH TIME: 00.00.01

L39   0 SEA SSS FUL L38 (0 REACTIONS)

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10542003c

=>
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chain nodes :
12   13   14   15   16   17   19   20   22   23   24   25   26   27   28   29   32   33   34   35   36
37   38   39
ring nodes :
1   2   3   4   5   7   8   9   10   11
chain bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   11-12   12-13   12-14   14-15   14-27   14-33
15-16   15-28   15-32   16-17   16-29   34-35   35-36   35-39   36-37   37-38
ring bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11
exact/norm bonds :
2-23   3-22   4-20   5-19   8-24   9-25   10-26   12-13   14-27   15-16   15-28   16-17   16-29
35-39
exact bonds :
1-2   1-5   2-3   3-4   4-5   7-8   7-11   8-9   9-10   10-11   11-12   12-14   14-15   14-33
15-32   34-35   35-36   36-37   37-38
isolated ring systems :
containing 1 : 7 :

G1:H,CH3

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   19:CLASS   20:CLASS
22:CLASS   23:CLASS
24:CLASS   25:CLASS   26:CLASS   27:CLASS   28:CLASS   29:CLASS   32:CLASS   33:CLASS
34:CLASS   35:CLASS
36:CLASS   37:CLASS   38:CLASS   39:CLASS
fragments assigned product role:
containing 7
fragments assigned reactant/reagent role:
containing 1
containing 34

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L38   STRUCTURE UPLOADED

=> s l38 full
FULL SEARCH INITIATED 12:07:12 FILE 'CASREACT'
SCREENING COMPLETE -   8 REACTIONS TO VERIFY FROM   4 DOCUMENTS

100.0% DONE   8 VERIFIED   0 HIT RXNS   0 DOCS
SEARCH TIME: 00.00.01

L39   0 SEA SSS FUL L38 (0 REACTIONS)

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